

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/587,398
Source: IFWP
Date Processed by STIC: 8/9/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,398

TIME: 11:13:25

Input Set : A:\PTO.SS.TXT

Output Set: N:\CRF4\08092006\J587398.raw

3 <110> APPLICANT: LIFECORD INC. et al.
 5 <120> TITLE OF INVENTION: METHOD FOR ISOLATING AND CULTURING MULTIPOTENT
 PROGENITOR/STEM CELLS
 6 FROM UMBILICAL CORD BLOOD AND METHOD FOR INDUCING DIFFERENTIATION THEREOF
 8 <130> FILE REFERENCE: Q96125
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/587,398
 C--> 10 <141> CURRENT FILING DATE: 2006-07-27
 10 <150> PRIOR APPLICATION NUMBER: KR2004-6088
 11 <151> PRIOR FILING DATE: 2004-01-30
 13 <150> PRIOR APPLICATION NUMBER: KR2005-6595
 14 <151> PRIOR FILING DATE: 2005-01-25
 16 <150> PRIOR APPLICATION NUMBER: PCT/KR2005/000278
 17 <151> PRIOR FILING DATE: 2005-01-31
 19 <160> NUMBER OF SEQ ID NOS: 28
 21 <170> SOFTWARE: KopatentIn 1.71
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 20
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: forward primer specific for alkaline phosphatase
 32 <400> SEQUENCE: 1
 33 acgtggctaa gaatgtcata 20
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 19
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: reverse primer specific for alkaline phosphatase
 45 <400> SEQUENCE: 2
 46 ctggtaggcg atgtccta 19
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 18
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: forward primer specific for type I procollagen
 58 <400> SEQUENCE: 3
 59 tgacgagacc aagaactg 18
 62 <210> SEQ ID NO: 4
 63 <211> LENGTH: 20
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial Sequence
 67 <220> FEATURE:

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68 <223> OTHER INFORMATION: reverse primer specific for type I procollagen
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72 cgatccaaac cactgaaacc 20
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 20
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: forward primer specific for myoD
84 <400> SEQUENCE: 5
85 aatgttagcag gtgttaaccgt 20
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 20
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: reverse primer specific for myoD
97 <400> SEQUENCE: 6
98 gcctttattt tgatcacctg 20
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 20
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: forward primer specific for myogenin
110 <400> SEQUENCE: 7
111 cactacttct gtgcgggggg 20
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: reverse primer specific for myogenin
123 <400> SEQUENCE: 8
124 tctctcaaac cgtttcactt 20
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 20
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: forward primer specific for myosin heavy chain
136 <400> SEQUENCE: 9
137 tgtgaatgcc aaatgtgctt 20
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141 <211> LENGTH: 20
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
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 153 <210> SEQ ID NO: 11
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 156 <213> ORGANISM: Artificial Sequence
 158 <220> FEATURE:
 159 <223> OTHER INFORMATION: forward primer specific for Flt-1/VEGFR-1
 162 <400> SEQUENCE: 11 20
 163 ggtcttacgg agtattgctg
 166 <210> SEQ ID NO: 12
 167 <211> LENGTH: 20
 168 <212> TYPE: DNA
 169 <213> ORGANISM: Artificial Sequence
 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: reverse primer specific for Flt-1/VEGFR-1
 175 <400> SEQUENCE: 12 20
 176 ctttcttttg ggtctctgtg
 179 <210> SEQ ID NO: 13
 180 <211> LENGTH: 20
 181 <212> TYPE: DNA
 182 <213> ORGANISM: Artificial Sequence
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: forward primer specific for KDR/VEGFR-2
 188 <400> SEQUENCE: 13 20
 189 ggacctggcg gcacgaaata
 192 <210> SEQ ID NO: 14
 193 <211> LENGTH: 20
 194 <212> TYPE: DNA
 195 <213> ORGANISM: Artificial Sequence
 197 <220> FEATURE:
 198 <223> OTHER INFORMATION: reverse primer specific for KDR/VEGFR-2
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 202 aggccggctc tttcgcttac
 205 <210> SEQ ID NO: 15
 206 <211> LENGTH: 30
 207 <212> TYPE: DNA
 208 <213> ORGANISM: Artificial Sequence
 210 <220> FEATURE:
 211 <223> OTHER INFORMATION: forward primer specific for ecNOS
 214 <400> SEQUENCE: 15 30
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 218 <210> SEQ ID NO: 16
 219 <211> LENGTH: 30
 220 <212> TYPE: DNA
 221 <213> ORGANISM: Artificial Sequence
 223 <220> FEATURE:
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 233 <212> TYPE: DNA
 234 <213> ORGANISM: Artificial Sequence
 236 <220> FEATURE:
 237 <223> OTHER INFORMATION: forward primer specific for VE-cadherin
 240 <400> SEQUENCE: 17
 241 gatgcagagg ctcatgatg 19
 244 <210> SEQ ID NO: 18
 245 <211> LENGTH: 20
 246 <212> TYPE: DNA
 247 <213> ORGANISM: Artificial Sequence
 249 <220> FEATURE:
 250 <223> OTHER INFORMATION: reverse primer specific for VE-cadherin
 253 <400> SEQUENCE: 18
 254 ctgcgcactc acgcgttgact 20
 257 <210> SEQ ID NO: 19
 258 <211> LENGTH: 20
 259 <212> TYPE: DNA
 260 <213> ORGANISM: Artificial Sequence
 262 <220> FEATURE:
 263 <223> OTHER INFORMATION: forward primer specific for vWF
 266 <400> SEQUENCE: 19
 267 caccgttgc ccacccttcg 20
 270 <210> SEQ ID NO: 20
 271 <211> LENGTH: 20
 272 <212> TYPE: DNA
 273 <213> ORGANISM: Artificial Sequence
 275 <220> FEATURE:
 276 <223> OTHER INFORMATION: reverse primer specific for vWF
 279 <400> SEQUENCE: 20
 280 gcccaactggg agccgacact 20
 283 <210> SEQ ID NO: 21
 284 <211> LENGTH: 19
 285 <212> TYPE: DNA
 286 <213> ORGANISM: Artificial Sequence
 288 <220> FEATURE:
 289 <223> OTHER INFORMATION: forward primer specific for beta-actin
 292 <400> SEQUENCE: 21
 293 tgaaccaggc ttcagacatc 19
 296 <210> SEQ ID NO: 22
 297 <211> LENGTH: 20
 298 <212> TYPE: DNA
 299 <213> ORGANISM: Artificial Sequence
 301 <220> FEATURE:
 302 <223> OTHER INFORMATION: reverse primer specific for beta-actin
 305 <400> SEQUENCE: 22
 306 ggacttcgag caagatatgg 20

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309 <210> SEQ ID NO: 23
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 311 <212> TYPE: DNA
 312 <213> ORGANISM: Artificial Sequence
 314 <220> FEATURE:
 315 <223> OTHER INFORMATION: forward primer specific for HNF1-alpha
 318 <400> SEQUENCE: 23
 319 ttcttaagctc agccagctgc agacg 25
 322 <210> SEQ ID NO: 24
 323 <211> LENGTH: 25
 324 <212> TYPE: DNA
 325 <213> ORGANISM: Artificial Sequence
 327 <220> FEATURE:
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 331 <400> SEQUENCE: 24
 332 gctgagggttc tccggctt tcaga 25
 335 <210> SEQ ID NO: 25
 336 <211> LENGTH: 20
 337 <212> TYPE: DNA
 338 <213> ORGANISM: Artificial Sequence
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 341 <223> OTHER INFORMATION: forward primer specific for cytokeratin-8
 344 <400> SEQUENCE: 25
 345 caatgcgaag ctggaggatc 20
 348 <210> SEQ ID NO: 26
 349 <211> LENGTH: 20
 350 <212> TYPE: DNA
 351 <213> ORGANISM: Artificial Sequence
 353 <220> FEATURE:
 354 <223> OTHER INFORMATION: reverse primer specific for cytokeratin-8
 357 <400> SEQUENCE: 26
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 361 <210> SEQ ID NO: 27
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 366 <220> FEATURE:
 367 <223> OTHER INFORMATION: forward primer specific for albumine
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 371 tgcttgaatg tgctgtatgac aggg 24
 374 <210> SEQ ID NO: 28
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 376 <212> TYPE: DNA
 377 <213> ORGANISM: Artificial Sequence
 379 <220> FEATURE:
 380 <223> OTHER INFORMATION: reverse primer specific for albumine
 383 <400> SEQUENCE: 28
 384 aaggcaagtc agcaggcatc tcatac 25

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/587,398

DATE: 08/09/2006

TIME: 11:13:26

Input Set : A:\PTO.SS.TXT

Output Set: N:\CRF4\08092006\J587398.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date